



Normal Colon

09/873,367A

Sample page
file

MAY 31 2002

TECH CENTER 1600/2900

RECEIVED

Genes that are expressed in normal colon, that are not expressed at detectable levels in colon adenocarcinoma

Below is a listing of those genes that are expressed at appreciable levels in normal colon, but that do not appear to be expressed in colon adenocarcinoma. There are 333 sequences presented in the listing below.

>gi|1472311|gb|AA011199.1|AA011199 ze23c03.s1 Soares_fetal_heart_NbHH19W Homo sapiens cDNA clone

IMAGE:359812 3', mRNA sequence

TTTTTTGCTTTCCCCCTCATCTCAAATGCCCTCACTCCGGGACAAATATTCTTCTTAGCACTACTTA
ACATAAATAATCAATTGGCTCTCAAAGTCATTCTGCATATAATCCTGTACCCCTATAGGAGCCTA
CTGTACATTCTCATTGTGAACCAATCTCTTACATTACAATATTATGATGCNTTCACNGGGAGGGC
TCTTCCCAAGGTAATGTAGCTCATTAANAAACTACAGTGGGGCTCTGTGATCTATGTACACATGTAT
GTCACATATTGACCATTAAAAAACACAGAAACCCTTGAGACTTCTGTAAAATTGGGATCATAAAA
TATATTAAAAGCAGACCAAGGCAGGCTCTGGTCTGTGACGTCCCCGGTAGTTAATTCAATT
TCCCCAGTATTGGGAAAGCAGGGCA

>gi|1479353|gb|AA016979.1|AA016979 ze41h01.s1 Soares retina

N2b4HR Homo sapiens cDNA clone IMAGE:361585 3' similar to gb|M10329|MUSUR48S
Mouse 4.8S U6 small

nuclear (rRNA); contains Alu repetitive element;, mRNA sequence
AAATATGGAACGCTTCACGAATTGCGTGTACATCCTTGCAGGGGCCATGCTAAATCTCTGTATCGT
TCCAATTAGTATATGTGCTGCCAAGCGAGCACCCTGCTTAGTTATTCTAAAGTGAGGGCCCCAGGATC
CACCTGCCTAGGCTCCAAAGTGTGGATTACAGGCGTACCCACCGCGCCAGCCAAGTTGGTTT
CCTCAACTGGAGGTAATATTACATATTACTTACATATGCATAAGTAAACAAAGAGGGTTGTTGA
GGTCAAATAATTGATGGATGTTAACGCTCTGGTAAATTAAAGCACTATAAAACAGGCAT
TATTGTTAATAATAGAGCTTAATTACACCTGCTCATTTGATCTCANAGACC

>gi|1493220|gb|AA027011.1|AA027011 zk02c08.s1 Soares_pregnant_uterus_NbHPU Homo sapiens cDNA clone

IMAGE:469358 3', mRNA sequence

GTTTAAACATTCTTATTAGTATAGACAGTAAAGCATGAAATAGATACAAACATTACTTATAAAA
ATGTTTGAAAGAACATTGAAAAATAGATGAATGTCTCTAGCCAGTTAATAGCAGAGAAAGATTAG
TTTGGTAGCTCATAAGTCAGTAACCGTATGCCATGTCTCCAGAAGTAAATCCGTCTGTTCCAGAAA
AATGTGATGTAGNGAATTNTCATTATGTGTTATTGCACTCATTAATGTAATTAGATTAAAAAA
AATCAAGTTATTGCTTCTAAGAAATGGNCTCCTNCCCATTGCCAGTAGNTTAATATGTTCTA
CGGTGTGGGTGTGT

>gi|1506906|gb|AA034962.1|AA034962 zk25h03.s1 Soares_pregnant_uterus_NbHPU
Homo sapiens cDNA clone IMAGE:471605 3', mRNA sequence

TTTTTTTTGCAAGAACACATGGGGATGGTTTATTATAATGGTTAAAAAGTTCTCAAAGTG
AAGTTAGGAGTGAGTTAGTGTGTTAATTGAAGAAAAGTGTCTAAAATTCAAAGATACCAATGG
AAAGATAAAAGTTGGGG

>gi|1512487|gb|AA037388.1|AA037388 zc03e01.s1

Soares_parathyroid_tumor_NbHPA Homo sapiens cDNA clone IMAGE:321240 3', mRNA
sequence

GATTTTCAAAATTAACTTTTATTAATTAAAAATCCAGAAATACAGTGACTACATAATAAGTACCA
TAATTAGGTACATGCTGTGAGAACAGTGAAGGGTAATACTGTTATGTTACTCTTACTTGTACATG
AGTTAACTAGAAAATGGCTACAACGTCTAAATGATGCTTATGGTCTTGTGTTCCAAGTGTGTTATGATA
CAAATAAAACACAAGAAGAACCATCCATTCTCTACTAACTACAGGCAGCTGGGG

Sample Sequence listing

<110> Smith, John; Smithgene Inc.

<120> Example of a Sequence Listing

<130> 01-00001

<140> PCT/EP98/00001
<141> 1998-12-31

<150> US 08/999,999
<151> 1997-10-15

<160>

<170> PatentIn version 2.0

<210> 1
<211> 389
<212> DNA
<213> Paramecium sp.

<220>
<221> CDS
<222> (279) . . . (389)

<300>
<301> Doc, Richard
<302> Isolation and Characterization of a Gene Encoding a
Protease from Paramecium sp.
<303> Journal of Genes
<304> 1
<305> 4
<306> 1-7
<307> 1988-06-31
<308> 123456
<309> 1988-06-31

<400> 1
a g c t g a g t c a t c c t g g t c c t t t t c t t c t g g g c t t t t c a c c t g c t a a t c a g a t t c t t 60
a g g g a g a g t g t c t t g a c c t t c c c c t g c t t t t g c a g t t t t a c a g g c a g g c t g g c a g g c a g c 120
t g a t g t g g c a a t c g t g g c a g t g c c a c a g g c t t t t c a g c c a g g c t t a g g g t g g g t t c c g c 180
c g c g g c g c g g c g g c c c c t t t c g c g t t c c t t t c g c g c c t t t c t t t c g c t t t c c t t t c g c t t t 240

Appendix 3, page 2

ggacctgatt aggtgagcag gaggaggggg cagtttgc atg gtt tca atg ttc age 296
 1 Met Val Ser Met Phe Ser

tct tcc ttc aaa tgg cct gga ttt tgt ttg ttt gtt tgt ttg ttc caa 344
 Leu Ser Phe Lys Trp Pro Gly Phe Cys Leu Phe Val Cys Leu Phe Cln
 10 15 20

tgt ccc aaa gtc ctc ccc tgt cac tca tca ctg cag ccg aat ctc 389
 Cys Pro Lys Val Leu Pro Cys His Ser Ser Leu Cln Pro Asn Ser
 25 30 35

<210> 2

<211> 37

<212> PRT

<213> Paramecium sp.

<<00> 2
 Met Val Ser Met Phe Ser Leu Ser Phe Lys Trp Pro Gly Phe Cys Leu
 1 5 10 15

Phe Val Cys Leu Phe Cln Cys Pro Lys Val Leu Pro Cys His Ser Ser
 20 25 30

Leu Cln Pro Asn Leu
 35

<210> 3

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Designed peptide based on size and polarity to act as a linker between the alpha and beta chains of Protein XYZ.

<<00> 3
 Met Val Asn Leu Glu Pro Met His Thr Glu Ile
 1 5 10

<210> 4
 <400> 4
 000

(Annex VIII follows)

identifiers and their accompanying information as shown in the following table. The numeric identifier shall be used only in the "Sequence Listing." The order and presentation of the items of information in the "Sequence Listing" shall conform to the arrangement given below. Each item of information shall begin on a new line and shall begin with the numeric identifier enclosed in angle brackets as shown. The submission of those items of information designated with an "M" is mandatory. The submission of those items of information designated with an "O" is optional. Numeric identifiers <110> through <170> shall only be set forth at the beginning of the "Sequence Listing." The following table illustrates the numeric identifiers.

Numeric Identifier	Definition	Comments and Format	Mandatory (M) or Optional (O)
<110>	Applicant	Preferably max. of 10 names; one name per line; preferable format: Surname, Other Names and/or Initials	M
<120>	Title of Invention		M
<130>	File Reference	Personal file reference	M, when filed prior to assignment of appl. number
<140>	Current Application Number	Specify as: US 07/999,999 or PCT/US96/99999	M, if available
<141>	Current Filing Date	Specify as: yyyy-mm-dd	M, if available
<150>	Prior Application Number	Specify as: US 07/999,999 or PCT/US96/99999	M, if applicable include priority documents under 35 USC 119 and 120
<151>	Prior Application Filing Date	Specify as: yyyy-mm-dd	M, if applicable
<160>	Number of SEQ ID NOS	Count includes total number of SEQ ID NOS	M
<170>	Software	Name of software used to create the Sequence Listing	O
<210>	SEQ ID NO:M	Response shall be an integer representing the SEQ ID NO shown	M
<211>	Length	Respond with an integer expressing the number of bases or amino acid residues	M

<212>	Type	Whether presented sequence molecule is DNA, RNA, or PRT (protein). If a nucleotide sequence contains both DNA and RNA fragments, the type shall be "DNA." In addition, the combined DNA/RNA molecule shall be further described in the <220> to <223> feature section.	M
<213>	Organism	Scientific name, i.e. Genus/species. Unknown or Artificial Sequence. In addition, the "Unknown" or "Artificial Sequence" organisms shall be further described in the <220> to <223> feature section.	M
<220>	Feature	Leave blank after <220>. <221-223> provide for a description of points of biological significance in the sequence.	M, under the following conditions: if "n," "Xaa," or a modified or unusual L-amino acid or modified base was used in a sequence; if ORGANISM is "Artificial Sequence" or "Unknown"; if molecule is combined DNA/RNA.
<221>	Name/Key	Provide appropriate identifier for feature, preferably from WIPO Standard ST.25 (1998), Appendix 2, Tables 5 and 6	M, under the following conditions: if "n," "Xaa," or a modified or unusual L-amino acid or modified base was used in a sequence
<222>	Location	Specify location within sequence; where appropriate state number of first and last bases/amino acids	M, under the following conditions: if "n," "Xaa," or a modified or unusual L-amino acid or modified

		"in feature"	"it was used in sequence"
<223>	Other Information	Other relevant information; four lines maximum	M, under the following conditions: if "n," "Xaa," or a modified or unusual L-amino acid or modified base was used in a sequence; if ORGANISM is "Artificial Sequence" or "Unknown"; if molecule is com- bined DNA/RNA
<300>	Publication Information	Leave blank after <300>	0
<301>	Authors	Preferably max of ten named authors of publi- cation; specify one name per line; preferable format: Surname, Other Names and/or Initials	0
<302>	Title		0
<303>	Journal		0
<304>	Volume		0
<305>	Issue		0
<306>	Pages		0
<307>	Date	Journal date on which data published; specify as yyyy-mm- dd, MM-yy or Season-yyyy	0
<308>	Database Accession Number	Accession number assigned by data- base including database name	0
<309>	Database Entry Date	Date of entry in database; specify as yyyy-mm-dd or MM-yy	0
<310>	Patent Document Number	Document number; for patent-type citations only. Specify as, for example, US 07/999,999	0